PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference ILEX:085WO	FOR FURTHER ACTION		on of Transmittal of International Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (day/m	onth/year)	Priority date (day/month/year)		
PCT/US03/29080	18 September 2003 (18.09.200	3)	19 September 2002 (19.09.2002)		
International Patent Classification (IPC) or national classification and IPC					
IPC(7): A61K 31/685, 31/66; C07F 9/4	0, 9/38 and US Cl.: 514/76, 107;	558/155, 161; 5	62/21		
Applicant			·		
ILEX ONCOLOGY RESEARCH					
This international preliming Examining Authority and	1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.				
2. This REPORT consists of	a total of 3 sheets, including	g this cover she	et.		
which have been am	This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of	a total of <u>4</u> sheets.				
3. This report contains indic	ations relating to the followin	g items:	•		
I Basis of the report					
II Priority	•		j		
III Non-establishn	III Non-establishment of report with regard to novelty, inventive step and industrial applicability				
IV Lack of unity of	of invention				
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			•		
VII Certain defects in the international application					
VIII Certain observations on the international application					
·					
Date of submission of the demand	Da	te of completion	n of this report		
19 April 2004 (19.04.2004)	25	May 2004 (25.05	5.2004)		
Name and mailing address of the IPEA Mail Stop PCT, Attn: IPEA/US	rigA Pu	thorized officer	O M. Harris Oca		
Commissioner for Patents P.O. Box 1450		LENGTH .	Bell-Harris fir		
Alexandria, Virginia 223 13-1450 Facsimile No. (703) 305-3230	Tel	ephone No. (57)	V		

Form PCT/IPEA/409 (cover sheet)(July 1998)

	INTERNATIONAL	PRELIMINARY	EXAMINATION REPORT
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International application No.	
PCT/US03/29080	

I.	Basis of the report				
1.	With regard to the elements of the international application:*				
	the international application as originally filed.				
	the description:				
	pages 1-67 as originally filed				
	pages NONE, filed with the demand				
	pages NONE, filed with the letter of				
	the claims:				
	pages 68-75, as originally filed				
İ	pages NONE , as amended (together with any statement) under Article 19				
	pages NONE , filed with the demand				
	pages NONE , filed with the letter of				
	the drawings:				
	pages NONE , as originally filed				
	pages NONE , filed with the demand				
	pages NONE , filed with the letter of				
	the sequence listing part of the description:				
1	pages NONE , as originally filed				
	pages NONE , filed with the demand				
1	pages NONE, filed with the letter of				
2	With regard to the language, all the elements marked above were available or furnished to this Authority in the				
1	language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:				
1					
	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).				
1	the language of publication of the international application (under Rule 48.3(b)).				
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).				
1 3	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the				
٦	international preliminary examination was carried out on the basis of the sequence listing:				
	contained in the international application in printed form.				
	filed together with the international application in computer readable form.				
	furnished subsequently to this Authority in written form.				
	furnished subsequently to this Authority in computer readable form.				
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the				
	international application as filed has been furnished.				
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.				
4	The amendments have resulted in the cancellation of:				
	the description, pages N/A				
	the claims, Nos. N/A				
	the drawings, sheets/fig N/A				
1.	beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
	* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in				
1	is report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.				
- 1					



• INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/29080

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V. Reasoned statement under Rule 66.2(a) citations and explanations supporting st	(ii) with regar uch statement	rd to novelty,	inventive step or i	industrial applicability;
1. STATEMENT		<u> </u>		
Novelty (N)	Claims	1_30		
		NONE		YES
				NO
Inventive Step (IS)	Claims			YES
	Claims	NONE		NO
Industrial Applicability (IA)	Claims	1-30		NTO.
		NONE		YES NO
CITATIONS AND EXPLANATIONS Claims 1-30 are neither anticipated nor rendered of industrial applicability. This invention relates to a second control of the control	huious over the	est of second and	ad though	• • • • •
osteophorosis. The difference between prior art ar	memyrenempn minstant claim	ospnome compo	und of formula (I) as	agents treating
al. are diphosphosphonic compounds. Suggestion and methods of use, has not been found.	for modification	of above refere	ence to obtain the ins	tant compounds/compositions
and the second results.				
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Form PCT/IPEA/409 (Box V) (July 1998)



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NOTE OF INFORMAL COMMUNICATION WITH THE APPLICANT

(PCT Rule 66.6)

International application	No.	Applicant's or agent's fi	le reference	Date of informal communication	\neg	
PCT/US03/29080	•	ILEX:085WO	. 1	(day/month/year) 25 May 2004 (25.05.2004)	- 1	
Applicant ILEX ONCOLOGY RESEARCH						
Communication by telephone personal	Participants Applicant Agent: Examiner	: HIGHLANDER, Ste	Identity checked	authorization personally checked known		
Summary of communicat	tion:				\exists	
Summary of communication: Applicants requested for International Preliminary Examination Report (i.e., PCT/IPEA/409) for Chapter II examination.						
An extension of time limit is granted (Form PCT/IPEA/427.						
A copy of this note is being sent to the applicant with Form PCT/IPEA/429. PCT/IPEA/424.						
Name and mailing addres Mail Stop PCT, A Commissioner fo P.O. Box 1450 Alexandria, Virg	Attn: IPEA/US r Patents	JS	Authorized officer Robert Shizo	e 13ell-Harris fir		

Facsimile No. (703) 305-3230 Form PCT/IPEA/428 (July 1992)